

(The following text is extremely faint and appears to be bleed-through from the reverse side of the page. It contains several lines of illegible text.)

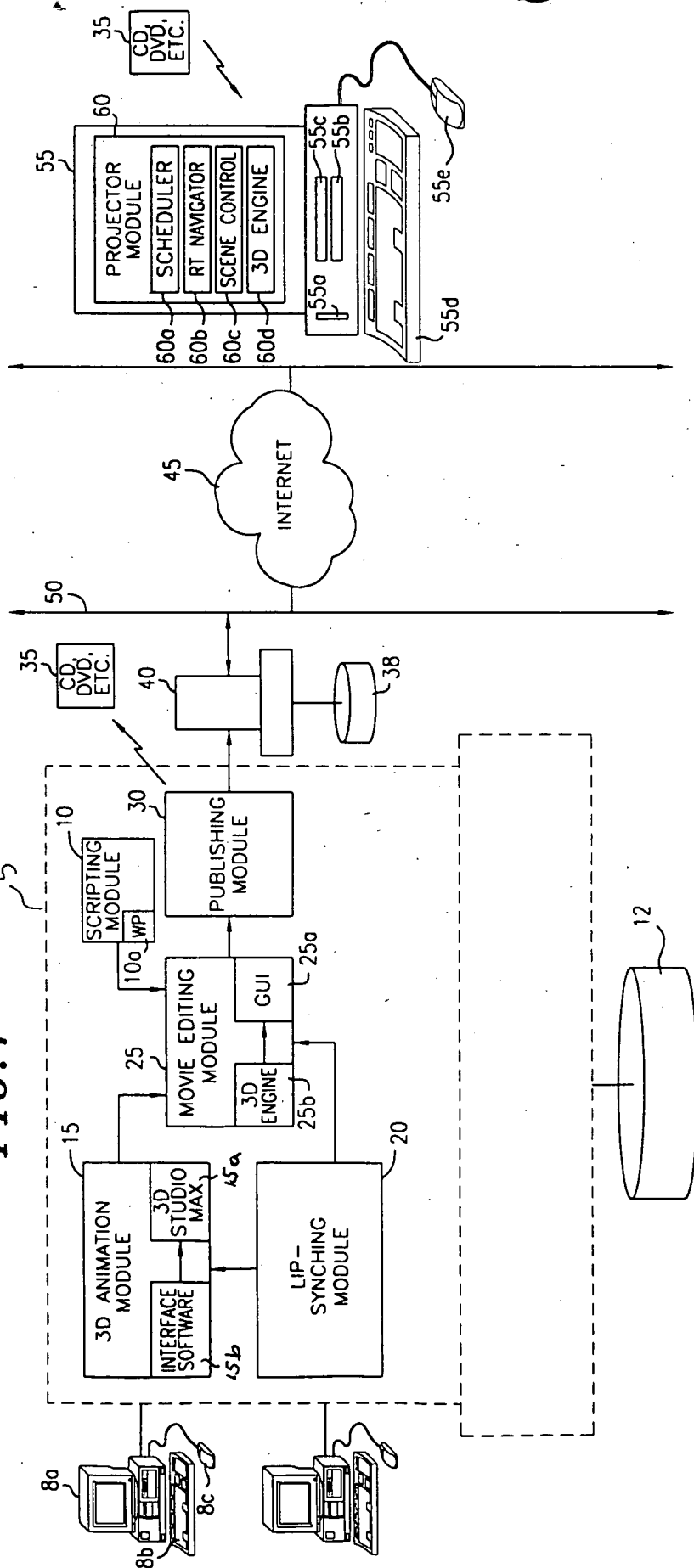


FIG. 2

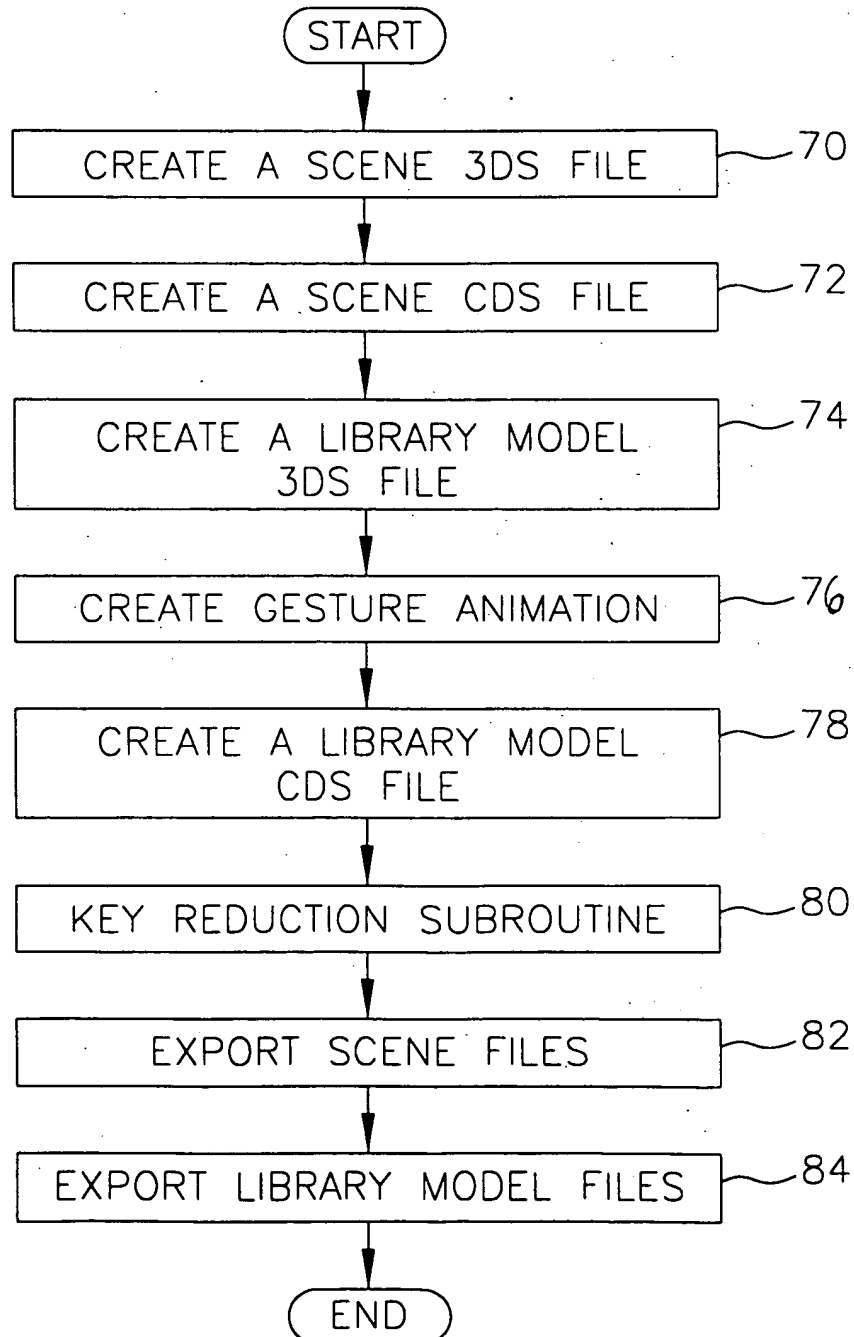


FIG. 3A is a block diagram of a user interface for a character animation system. The interface includes a top section with a NAME field (140) containing 'POPEYE', a ROOT MODE field (142) containing 'PE-AB-00', and a TYPE field (144) with radio buttons for ACTOR, PROPS, and SET. A SAVE button (149) is also present. Below this is the ANIMATION CHANNELS section (146), which contains a list of channels: LIPSYNC, EMOTION, and RIGHT-HAND. Each channel has associated buttons for ADD CHANNEL (146c), EDIT CHANNEL (146b), and DELETE CHANNEL (146d). To the right is the GESTURE TAGS section (148), which contains a table with columns TAG, START, and END. The table lists two tags: SAD (START 10, END 11) and HAPPY (START 12, END 13). Below the table are buttons for ADD TAG (148d), EDIT TAG (148e), and DELETE TAG (148f).

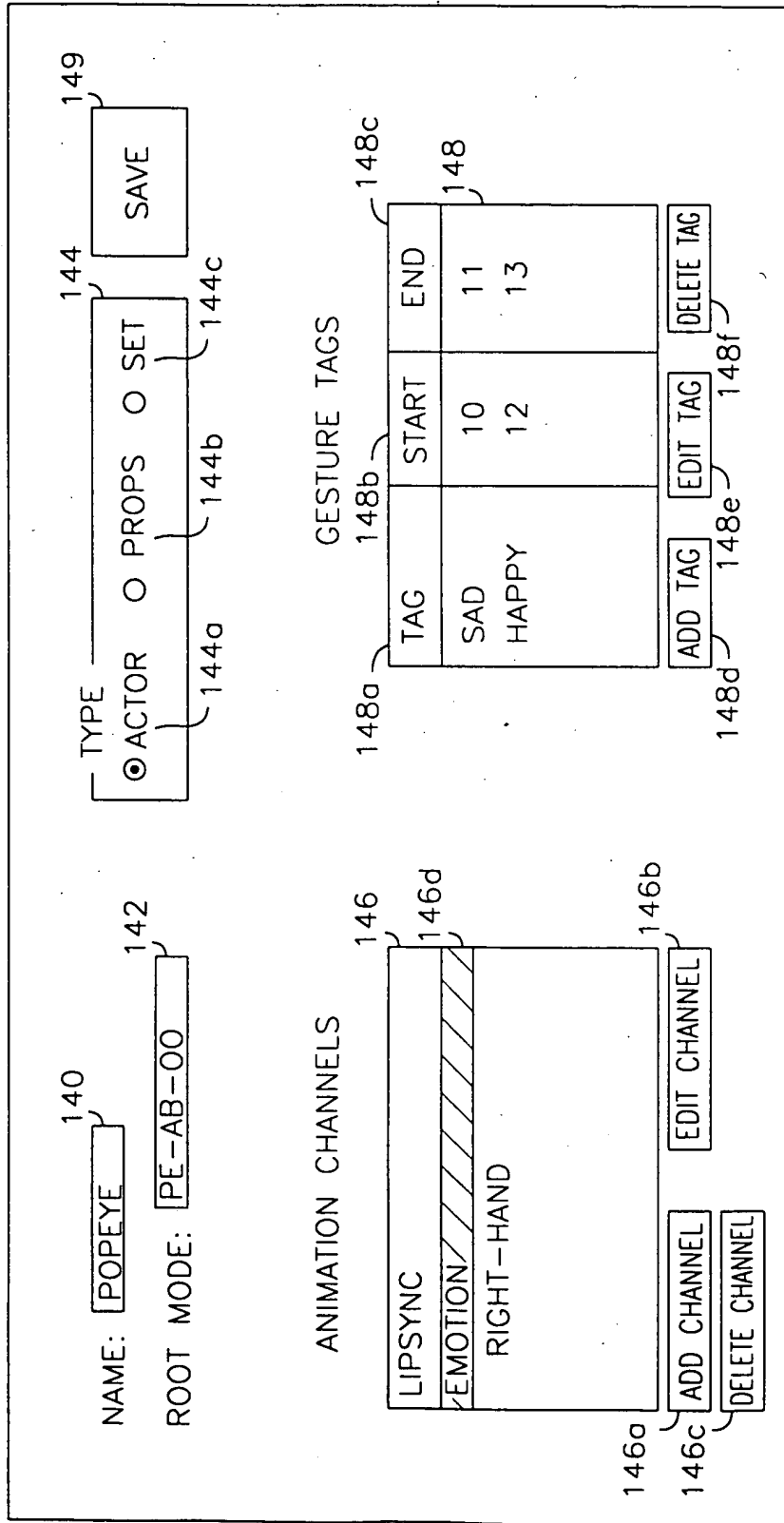


FIG. 3A

FIG.3B

MASTER ACTOR POPEYE

ROOT: PE-AB-00
ANIMATION

CHANNEL LIPSYNC

LIP 1	1
LIP 2	2
LIP 3	3
LIP 4	4

CHANNEL EMOTION

SAD	10-11
HAPPY	12-13

CHANNEL RIGHT-HAND

FIST-OPEN	14
FIST-CLOSED	14-15

EXPORT TO: .53d 150

152a FILES TO EXPORT	152b EXPORTED STATUS
101.3DS	SUSSESSFUL
101.CDS	SUCCESSFUL
POPEYE.3DS	SUCCESSFUL
POPEYE.CDS	SUCCESSFUL

154
ADD FILES

156
REMOVE FILES

158
EXPORT

152

FIG.4

SUPERMAN ~205
L MODELS ~206
L ACTORS ~208
L SUPERMAN ~210a
L SUPER.S3D ~211c
L SUPER.3DS ~211a
L SUPER.CDS ~211b
L IMAGE
L LOIS ~210b
L LOIS.S3D
L LOIS.3DS
L LOIS.CDS
L IMAGE
L SCENES ~209
L SCENE 101 ~212a
L 101-1a.S3D ~213c
L 101-1a.3DS ~213a
L 101-1a.CDS ~213b
L 101-1b.S3D
L 101-1b.3DS
L 101-1b.CDS
L 101.MES ~214
L 101.PLS ~215
L SCENE 102 ~212b
L SOUND ~207

FIG.5

KEY REDUCTION

POS/SCALE	THRESHOLD	<input type="text" value="4.0"/>	%
ROT.	THRESHOLD	<input type="text" value="0.15"/>	

FIG. 6

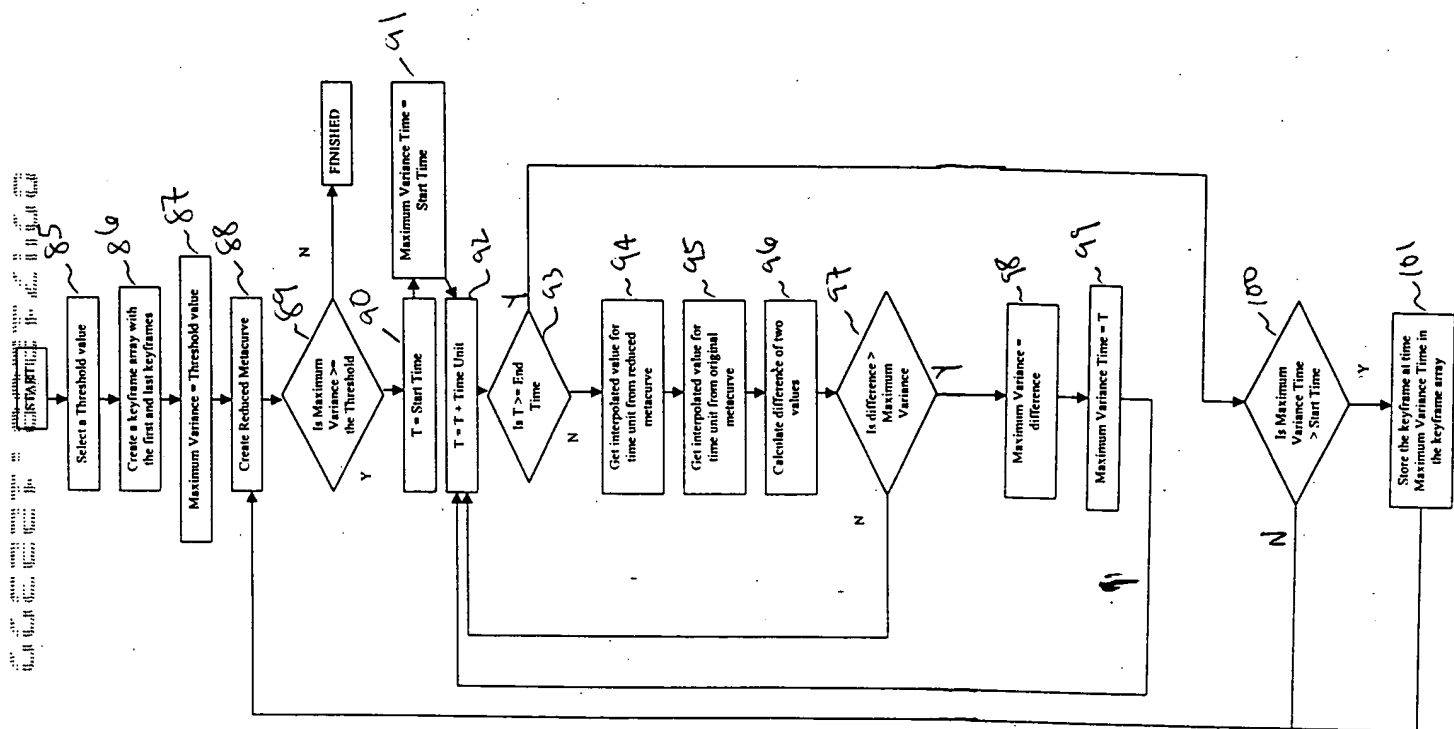
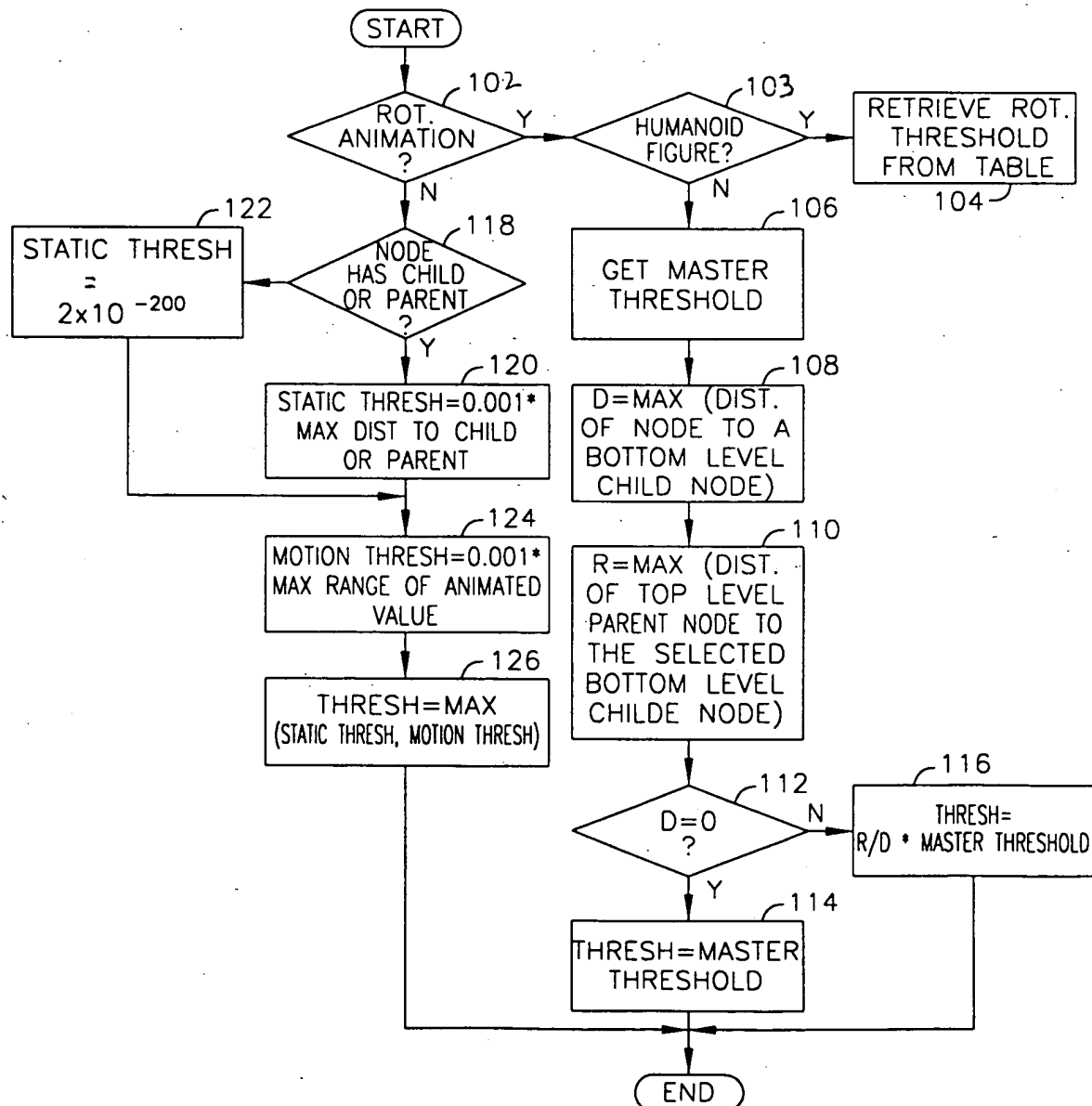


Fig. 7

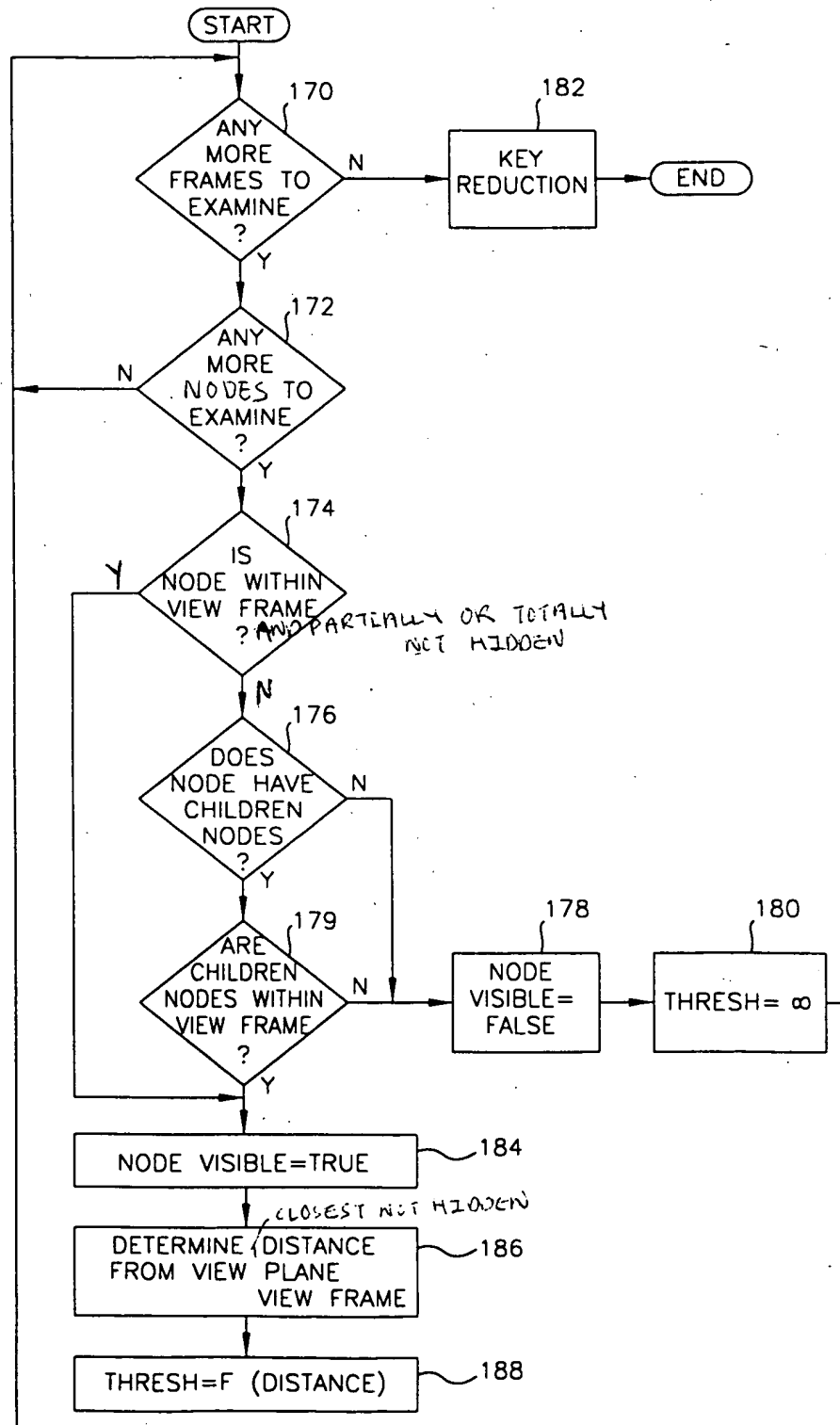
FIG. 8



130a NODE NAME	130b THRESHOLD (DEGREES)
HEAD	1.0
TRUNK	0.9
THIGH	0.5
CALF	0.1
•	
•	
•	
•	

FIG. 9

FIG. 10



190a	190b	190c	190e	190d	190f
FRAME	TIME	WIDE WAVE	THRESHOLD VALUE		
			ROT.	POS./SCALE	
1	0.04	SUPER-HEAD	0.9	0.5	
1	0.04	SUPER-TRUNK	0.8	0.5	
2	0.08	LOIS-HEAD	0.9	0.6	
2	0.08	LOIS-HEAD	∞	∞	
2	0.08	LOIS-LEG-LEFT	∞	∞	
		LOIS-LEG-RIGHT			

FIG. 11

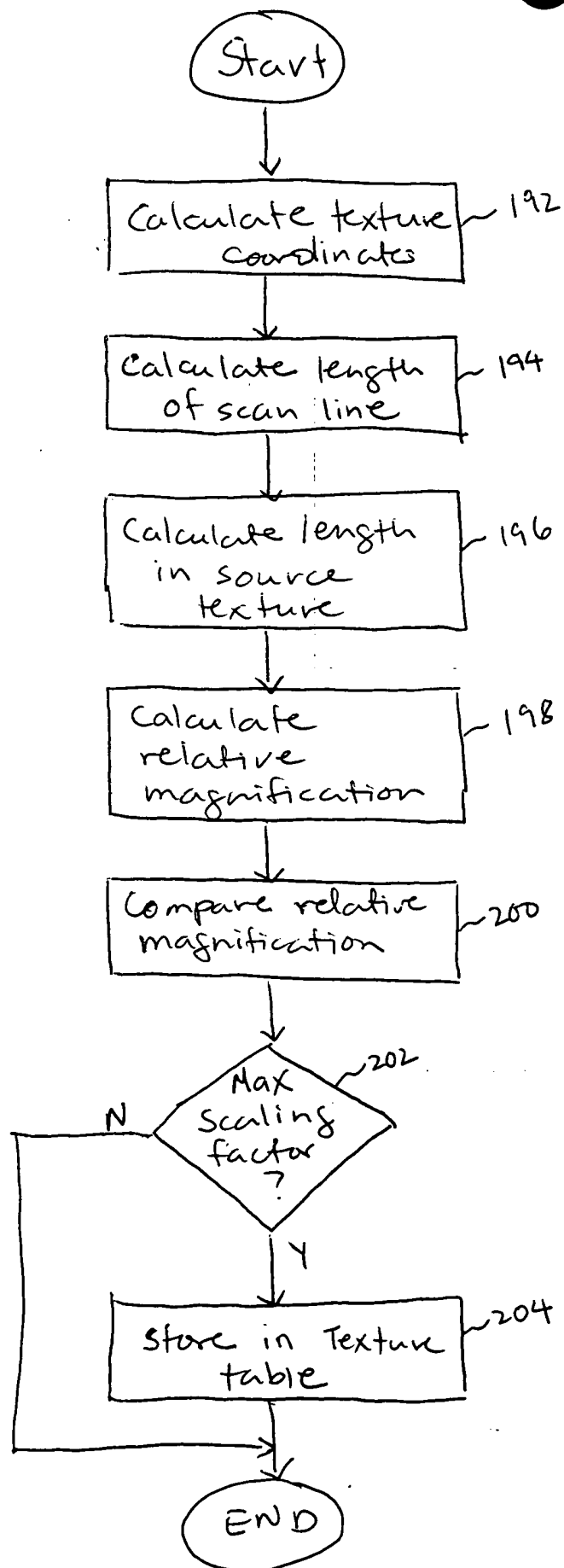
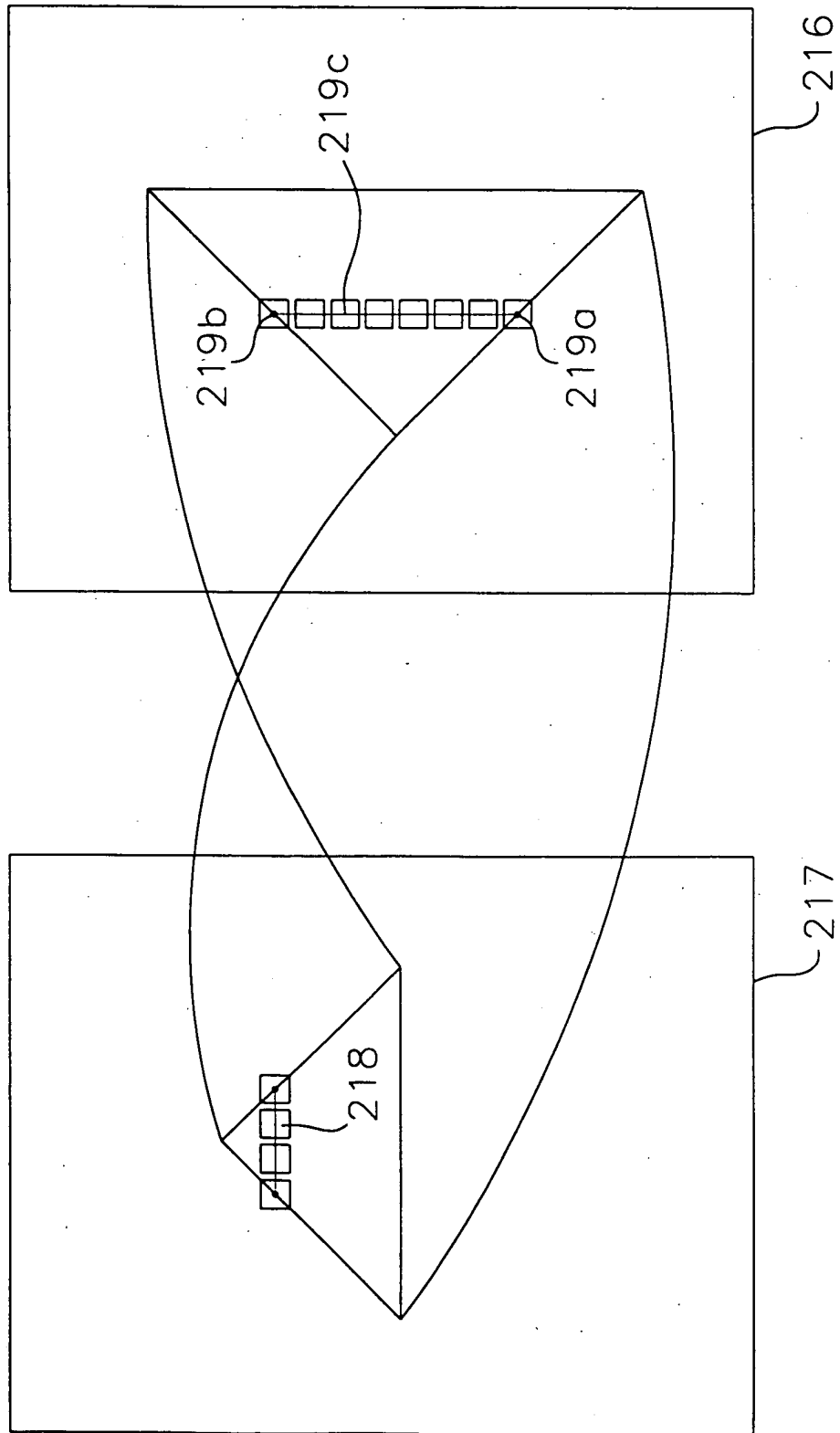


Fig. 12

FIG. 13



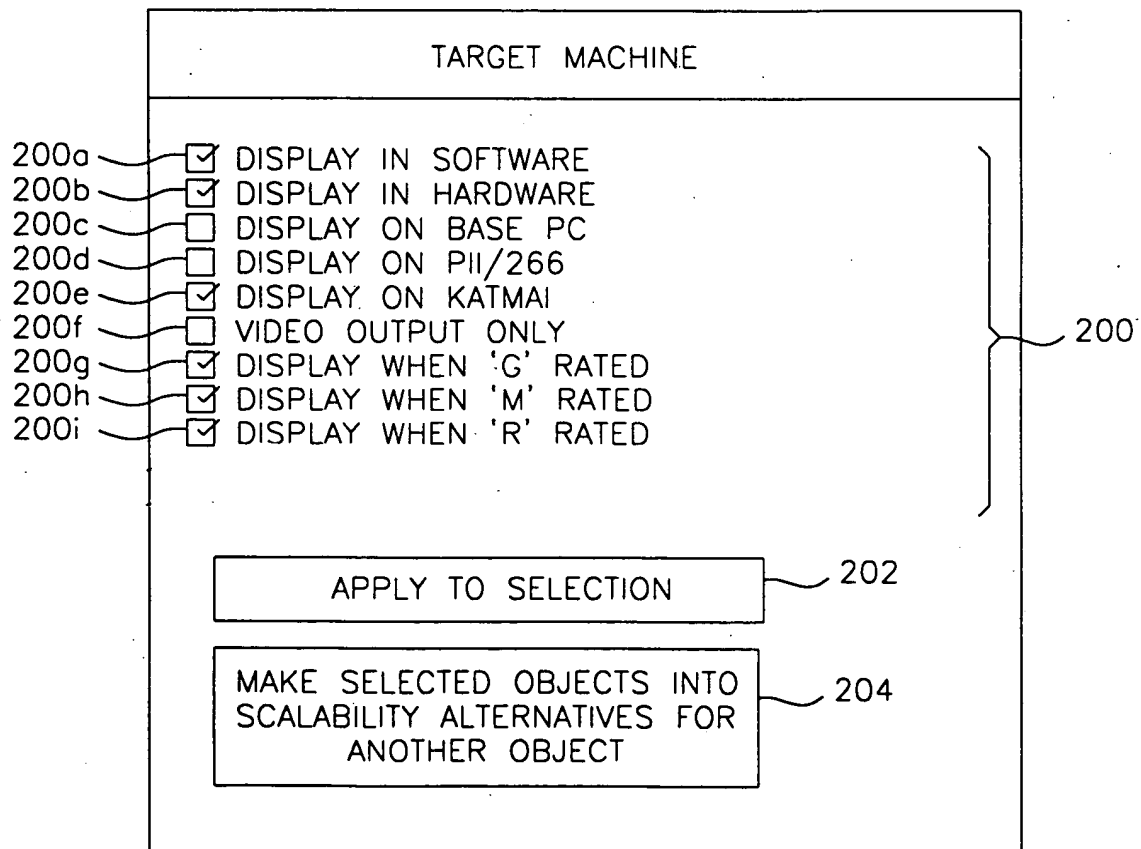


FIG. 14

TYPE OF BUILD		BUILD DIRECTORY	
<input type="radio"/> CD ~ 220		<input type="text" value="BUILD/SUPER"/> ▼	222
<input type="radio"/> INTERNET ~ 221			
SCALABILITY FACTORS			
<input type="radio"/> SOFTWARE		<input type="radio"/> 'G' RATED	} 223
<input type="radio"/> HARDWARE		<input type="radio"/> 'M' RATED	
<input type="radio"/> BASE PC ~ 214b		<input type="radio"/> 'R' RATED	
<input type="radio"/> PII/266			
<input type="radio"/> KATMAI			
<input type="radio"/> VIDEO ~ 214a			
SOUND TRACKS			
<input type="radio"/> ENGLISH		<input type="radio"/> GERMAN	} 224
<input type="radio"/> JAPANESE		<input type="radio"/> ITALIAN	
<input type="radio"/> FRENCH		<input type="radio"/> SPANISH	
<div>NEXT</div>			

FIG. 15A

SOUND COMPRESSION

☐ VOXWARE 11K MONO

☐ VOXWARE 22K MONO

☐ VOXWARE 22K STEREO

225

GRAPHICS COMPRESSION

☐ JPEG MEDIUM

☐ JPEG HIGH

226

SELECT SCENES ▼ 227

FIG. 15B

BANDWIDTH

☐ 2Kbps

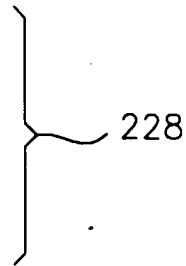
☐ 3Kbps

☐ 4Kbps

•

•

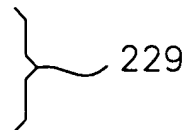
•



FILES TO STREAM

☐ SOUND

☐ ANIMATION



END 230

FIG. 15C

Fig. 16A

Name	Location	Type	Version	Compressed Size	Size	Offset
Super.S3D	1	7	1	150K	200K	450K
Scene101.S3D	1	7	1	20K	30K	670K

Fig. 16B

Name	Location	Type	Version	Size	Stream Number	Stream File Index
Scene101.S3D_STREAM	5	7	1	100K	0	0
Hello.WAV	5	2	1	300K	1	0

Fig. 16C

Name	Location	Type	Version	Size	Start Time	Extra Size	Extra Pos
Scene101.dat	7	12	1	350K	-10	50K	800K

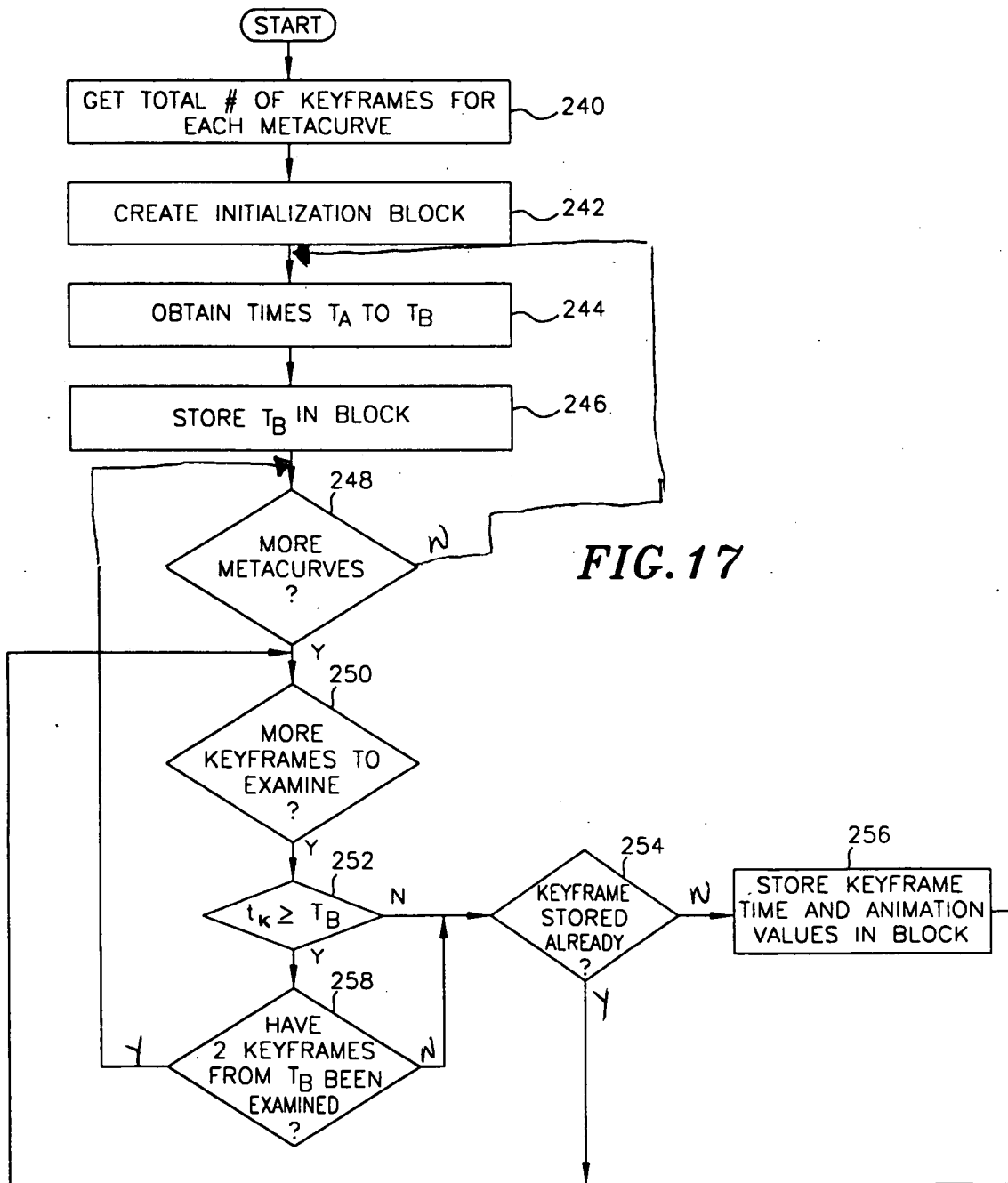


FIG. 17

FIG. 18

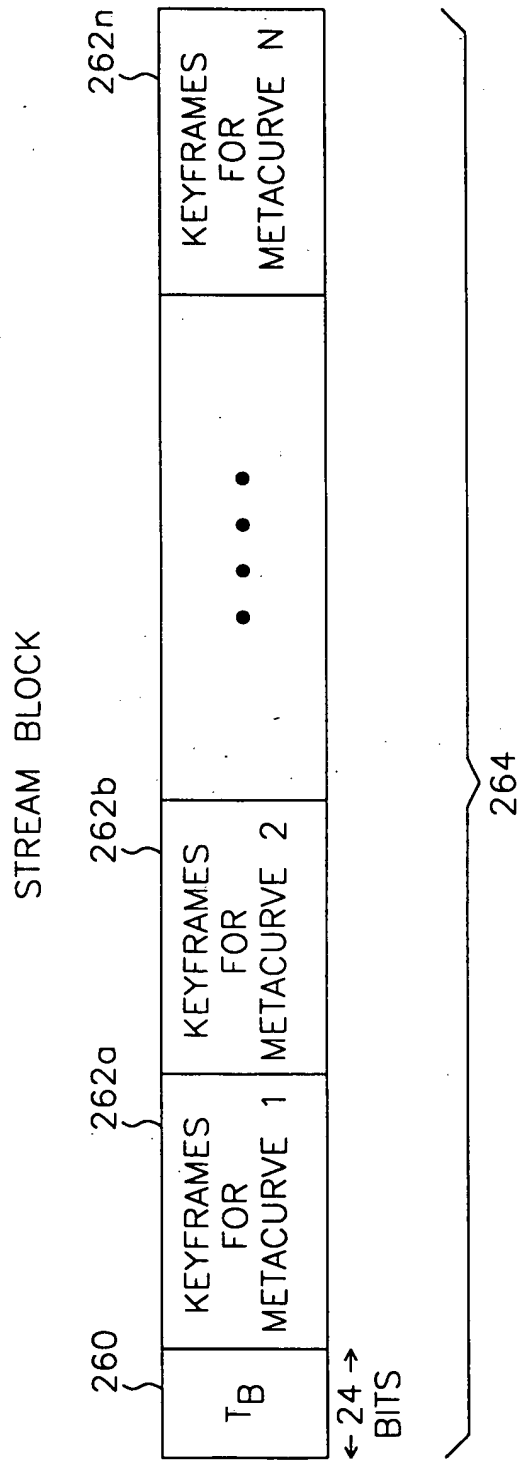
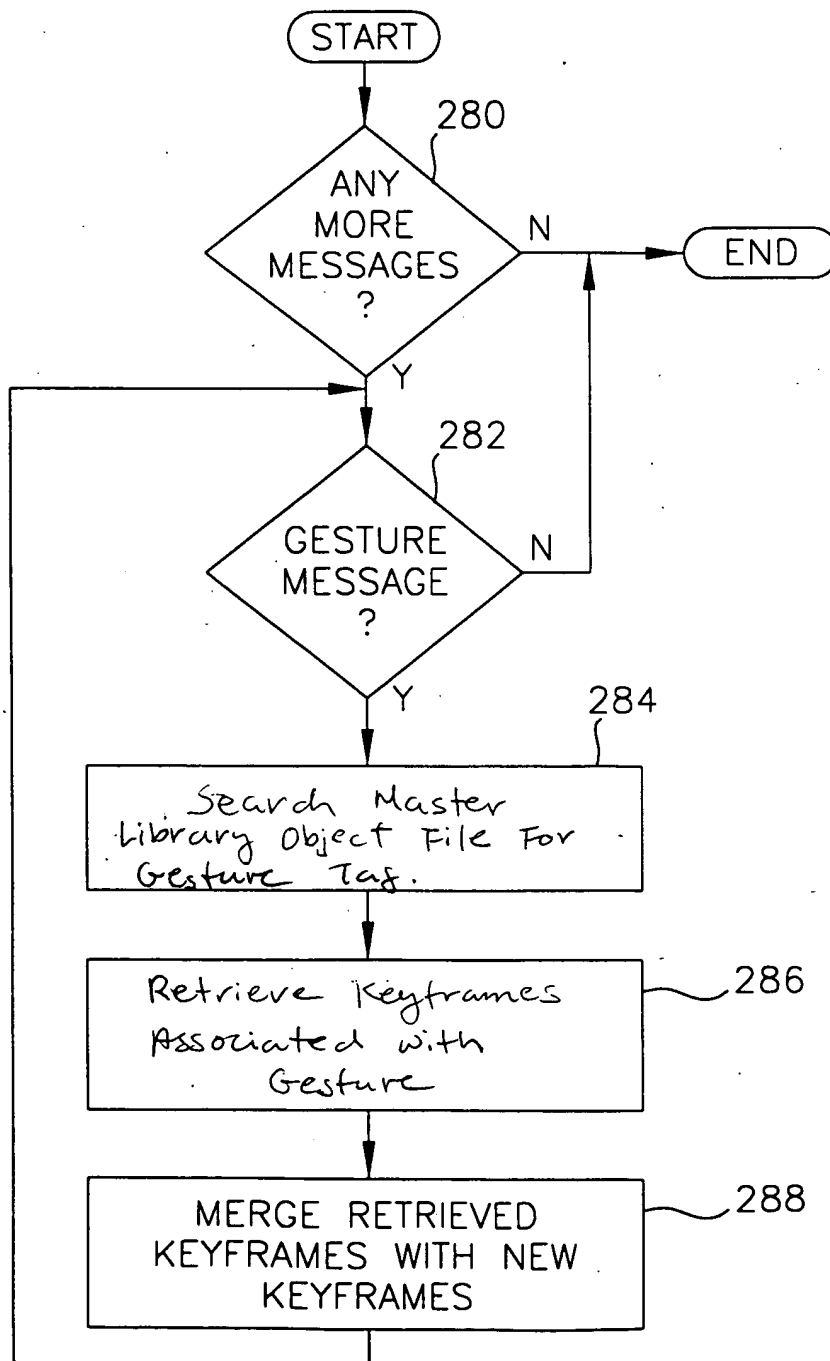


FIG. 19



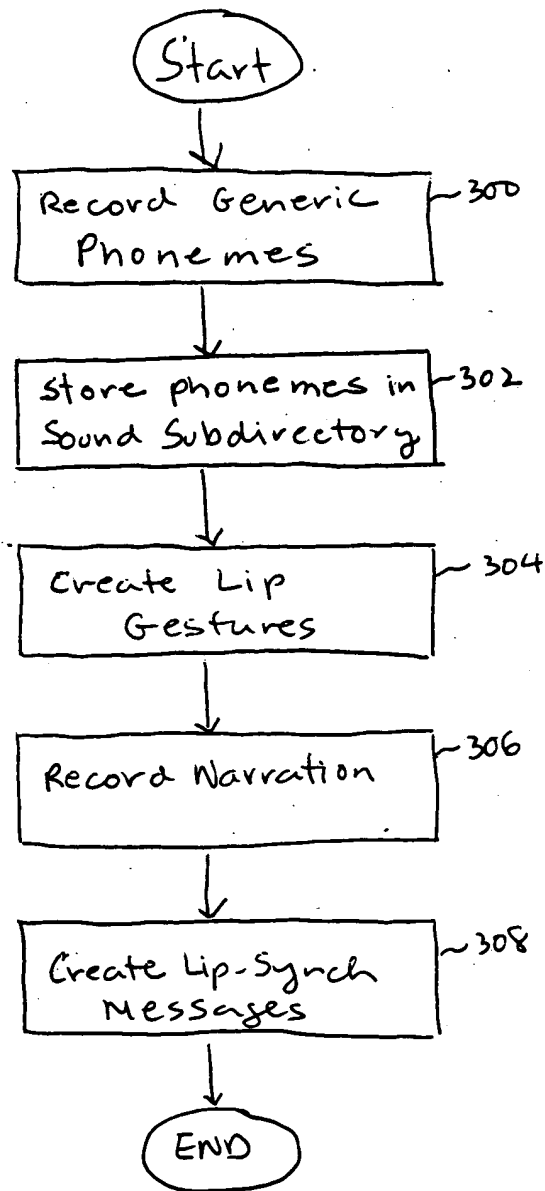


Fig. 20